Annual Indexes

Volume 6—October 1976 to July 1977

1. Subject Index

A

Acrylics and HID light sources 224
A meter to measure ESI footcandles . 220
Analysis of individual differences in visual performance to be expected with the current IES method for prescribing illumination 3
An automated high-speed photometer 105
An elementary arc model of the high pressure sodium lamp 131
An ESI study for different tasks 44
A new approach to lighting system control 38
A new concept for fluorescent lamps . 29
A procedure for calculating the potential savings in lighting energy from the use of skylights 237
ANSI safety colors, The rendering of 180
A proposed procedure for predicting performance aspects of roadway lighting in terms of visibility 148
Arc model of the high pressure sodium lamp, An elementary 131
A simplified formula for discomfort glare 10
A simplified method for determining the acceptability of a luminaire from the VCP standpoint 21
A study of subjective responses to low energy and nonuniform lighting systems (LD&A, Vol. 7, No. 2) 6

C

Chemical interrelationships in incandescent lamps, Thermodynamic evaluation of 194
Chemical plants, Lighting for petroleum and 184
Committee Reports
- Lighting for petroleum and chemical plants 184
- Lighting in the logging and sawmill industries 67
- Recommended practice for the specification of an ESI rating in interior spaces when specific task locations are unknown 111

Complex halide vapors in metal halide type HID lamps 209
Color rendition in high pressure mercury vapor lamps, Improved 89
Crosswalk illumination, Driver and pedestrian behavior—the effect of specialized 202
Current IES publications 63

D

Design of safety colors, The 92
Dimming using a magnetic amplifier, Fluorescent 35
Discussion of previously published papers 124
Driver and pedestrian behavior—the effect of specialized crosswalk illumination 202

E

Effects of light source color on user impression and satisfaction, The 167
Eliminating the ultraviolet hazard from HID lamps 233
Energy and nonuniform lighting systems, A study of subjective responses to low (LD&A, Vol. 7, No. 2) 6
ESI footcandles, A meter to measure . 220
ESI rating in interior spaces when specific task locations are unknown, Recommended practice for the specification of 111
ESI study for different tasks, An 44

F

Fluorescent dimming using a magnetic amplifier 35
Fluorescent lamps, A new concept for 29
Fluorescent lamps, Some new mercury alloys for use in 141
Formula for discomfort glare, A simplified 10

G

Glare, A simplified formula for discomfort 10

H

Halide vapors in metal halide type HID lamps, Complex 209
HID ballasts, Lamp-ballast compatibility tester for 59
HID lamps, Complex halide vapors in metal halide type 209
HID lamps, Eliminating the ultraviolet hazard from 233
HID light sources, Acrylics and 224
High pressure mercury vapor lamps, Improved color rendition in 89
High pressure sodium lamp, An elementary arc model of the 131

I

IERI Reports
- Analysis of individual differences in visual performance to be expected with the current IES method for prescribing illumination 3
- A proposed procedure for predicting performance aspects of roadway lighting in terms of visibility 148
- A simplified formula for discomfort glare 10
- A simplified method for determining the acceptability of a luminaire from the VCP standpoint 21
- The effects of light source color on user impression and satisfaction . 167

IES method for prescribing illumination, Analysis of individual differences in visual performances to be expected with the current 3
IES publications, Current 63
Improved color rendition in high pressure mercury vapor lamps 89
Incandescent lamps, Thermodynamic evaluation of chemical interrelationships in 194
Individual differences in visual performance to be expected with the current IES method for prescribing illumination, Analysis of 3
Interior lighting design, Ultraviolet radiation—considerations in 80

L

Lamp-ballast compatibility tester for HID ballasts 59
Light source color on user impression and satisfaction, The effects of 167
Lighting energy from the use of skylights, A procedure for calculating the potential savings in 237
Lighting for petroleum and chemical plants 184
Lighting in the logging and sawmill industries 67
Lighting system control, A new approach to 38
Logging and sawmill industries, Lighting in the 67
Luminaire from the VCP standpoint, A simplified method for determining the acceptability of a 21
Luminaires, Thermal characteristics of ornamental 215

M

Mercury alloys for use in fluorescent lamps, Some new 141
Metal halide type HID lamps, Complex halide vapors in 209
Meter to measure ESI footcandles, A 220

N

New techniques for reflector design and photometry 246
Nonuniform lighting systems, A study of subjective responses to low energy and (LD&A, Vol. 7, No. 2) 6

O

On task contrast and visibility 52

P

Petroleum and chemical plants, Lighting for 184
Photometer, An automated high-speed 105
Photometry, New techniques for reflector design and 246
Procedure for calculating the potential savings in lighting energy from the use of skylights, A 237
Publications, Current IES 63

R

Recommended practice for the specification of an ESI rating in interior spaces when specific task locations are unknown 111
Reflector design and photometry, New techniques for 246
Roadway lighting in terms of visibility, A proposed procedure for predicting performance aspects of 148

S

Safety-colors, The design of 92
Safety colors, The rendering of ANSI 180
Sawmill industries, Lighting in the logging and 67
Skylights, A procedure for calculating the potential savings in lighting energy from the use of 237
Some new mercury alloys for use in fluorescent lamps 141
Sources, Arcylics and HID light 224

T

Task contrast and visibility, On 52
Tasks, An ESI study for different 44
The design of safety-colors 92
The effects of light source color on user impression and satisfaction 167
The rendering of ANSI safety colors . 180
Thermal characteristics of ornamental luminaires 215
Thermodynamic evaluation of chemical interrelationships in incandescent lamps 194
Tin tetraiodide, Tungsten-halogen lamp dosed with 100
Tungsten-halogen lamp dosed with tin tetraiodide 100

U

Ultraviolet hazard from HID lamps, Eliminating the 233
Ultraviolet radiation—considerations in interior lighting design 80

V

VCP standpoint, A simplified method for determining the acceptability of a luminaire from the 21
Visibility, A proposed procedure for predicting performance aspects of roadway lighting in terms of 148
Visibility, On task contrast and 52
Visual performance to be expected with the current IES method for prescribing illumination, Analysis of individual differences in 3

2. Author Index

B

Baker, G. A.—New techniques for reflector design and photometry 246
Bickford, E. D.—Ultraviolet radiation—considerations in interior lighting design 80
Blackwell, H. R.—Analysis of individual differences in visual performance to be expected with the current IES method for prescribing illumination 3
A proposed procedure for predicting performance aspects of roadway lighting in terms of visibility 148
Blackwell, O. M.—A proposed procedure for predicting performance aspects of roadway lighting in terms of visibility 148
Bloem, J.—Some new mercury alloys for use in fluorescent lamps 141
Bouwknegt, A.—Some new mercury alloys for use in fluorescent lamps ... 141
Burkhardt, W. C.—Acrylics and HID light sources 224

C

Castle, P. M.—Complex halide vapors in metal halide type HID lamps 209
Clark, G. W.—Ultraviolet radiation—considerations in interior lighting design 80

D

Duggan, G. L.—Thermodynamic evaluation of chemical interrelationships in incandescent lamps 194

F

Feiker, G. E.—A new approach to lighting system control 38
Flynn, J. E.—A study of subjective responses to low energy and nonuniform lighting systems (LD&A, Vol. 7, No. 2) 6
The effects of light source color on user impression and satisfaction . 167
Freedman, M.—Driver and pedestrian behavior—the effect of specialized crosswalk illumination 202
Fry, G. A.—A simplified formula for discomfort glare 10

G

Goodbar, I.—A simplified method for determining the acceptability of a luminaire from the VCP standpoint 21

H

Hasker, J.—A new concept for fluorescent lamps 29
Heinisch, R. V.—New techniques for reflector design and photometry ... 246
Hirayama, C.—Complex halide vapors in metal halide type HID lamps 209
Hoffman, M. V.—Improved color rendition in high pressure mercury vapor lamps 89

J

Janoff, M. S.—Driver and pedestrian behavior—the effect of specialized crosswalk illumination 202
Jerome, C. W.—The rendering of ANSI safety colors 180

K

Koth, B.—Driver and pedestrian behavior—the effect of specialized crosswalk illumination 202
Kulkarni, A. D.—Tungsten-halogen lamp dosed with tin tetraiodide ... 100

L

Levin, R. E.—Ultraviolet radiation—considerations in interior lighting design 80
Lewin, I.—An ESI study for different tasks 44
New techniques for reflector design and photometry 246
Liu, C. S.—Complex halide vapors in metal halide type HID lamps 209
Lutus, P.—Fluorescent dimming using a magnetic amplifier 35

M

Martin, J.—Tungsten-halogen lamp dosed with tin tetraiodide 100
McGowan, T. K.—A new approach to lighting system control 38
Murdoch, J. B.—A procedure for calculating the potential savings in lighting energy from the use of skylights 237

N

Ngai, P. Y.—On task contrast and visibility 52

O

Otto, F. B.—A meter to measure ESI footcandles 220

P

Paget, F. W.—Lamp-ballast compatibility tester for HID ballasts 59
Passmore, E. M.—Thermodynamic evaluation of chemical interrelationships in incandescent lamps 194

R

Rokosz, F.—Eliminating the ultraviolet hazard from HID lamps 233

S

Sell, H. G.—Tungsten-halogen lamp dosed with tin tetraiodide 100
Snyder, L. C.—An automated high-speed photometer 105
Spears, G. R.—Ultraviolet radiation—considerations in interior lighting design 80
Spencer, T. J.—The effects of light source color on user impression and satisfaction 167

T

Thornton, W. A.—The design of safety-colors 92

V

VanDusen, H. A.—Thermal characteristics of ornamental luminaires 215

W

Waymouth, J. F.—An elementary arc model of the high pressure sodium lamp 131
Thermodynamic evaluation of chemical interrelationships in incandescent lamps 194
Wesselink, G. A.—Some mercury alloys for use in fluorescent lamps 141
Westlake, P. E.—An automated high-speed photometer 105

Z

Zollweg, R. J.—Complex halide vapors in metal halide type HID lamps ... 209